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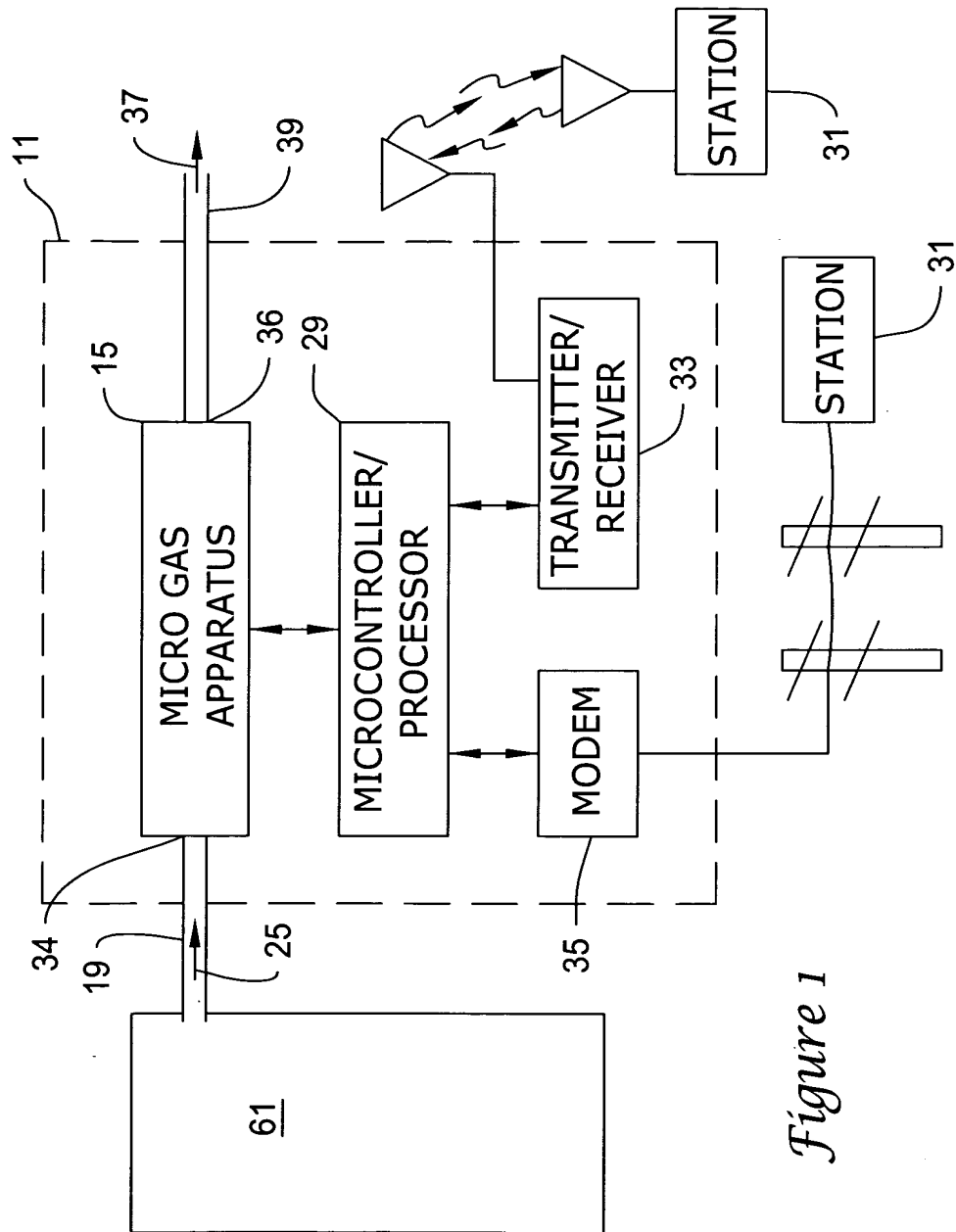
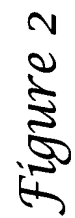


Figure 1



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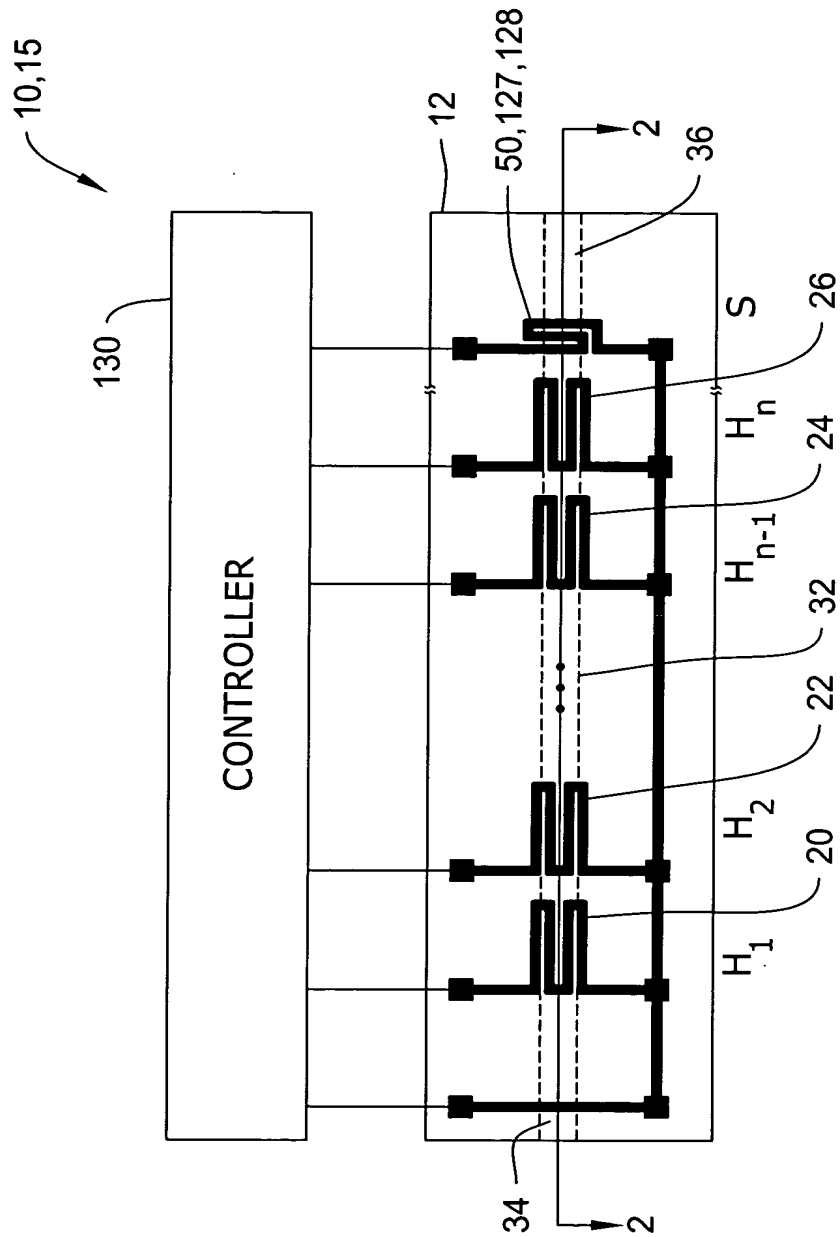


Figure 3

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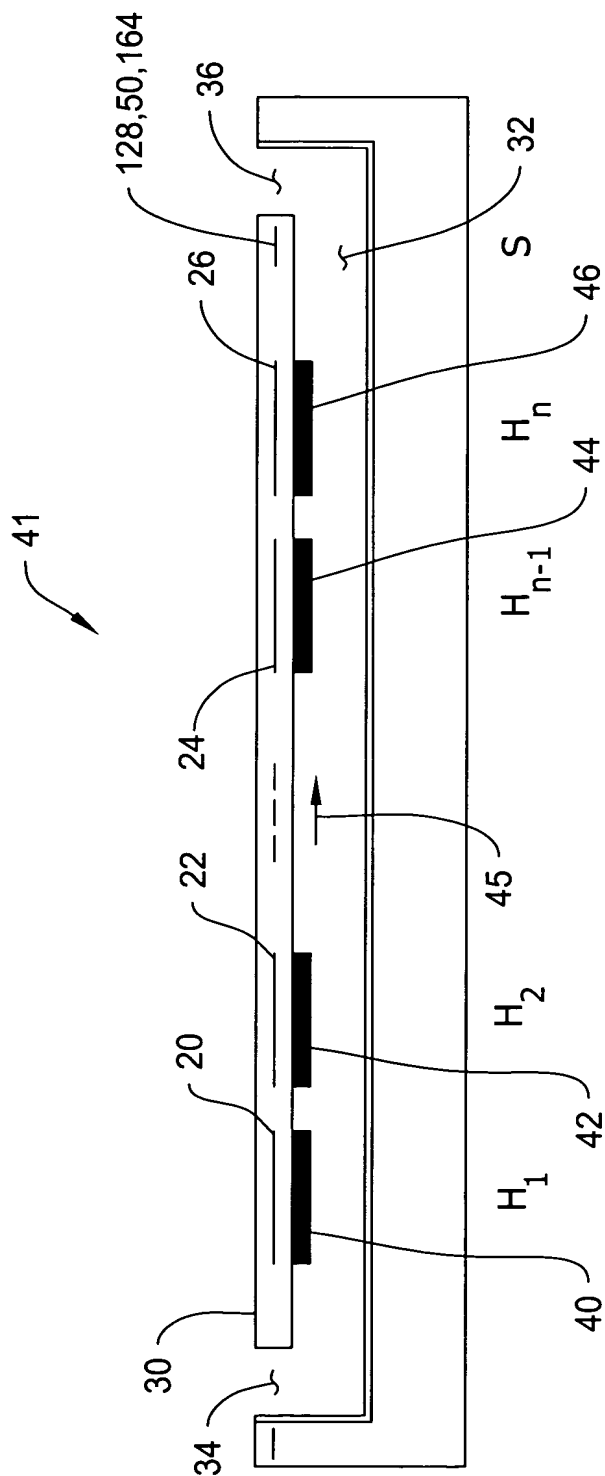


Figure 4

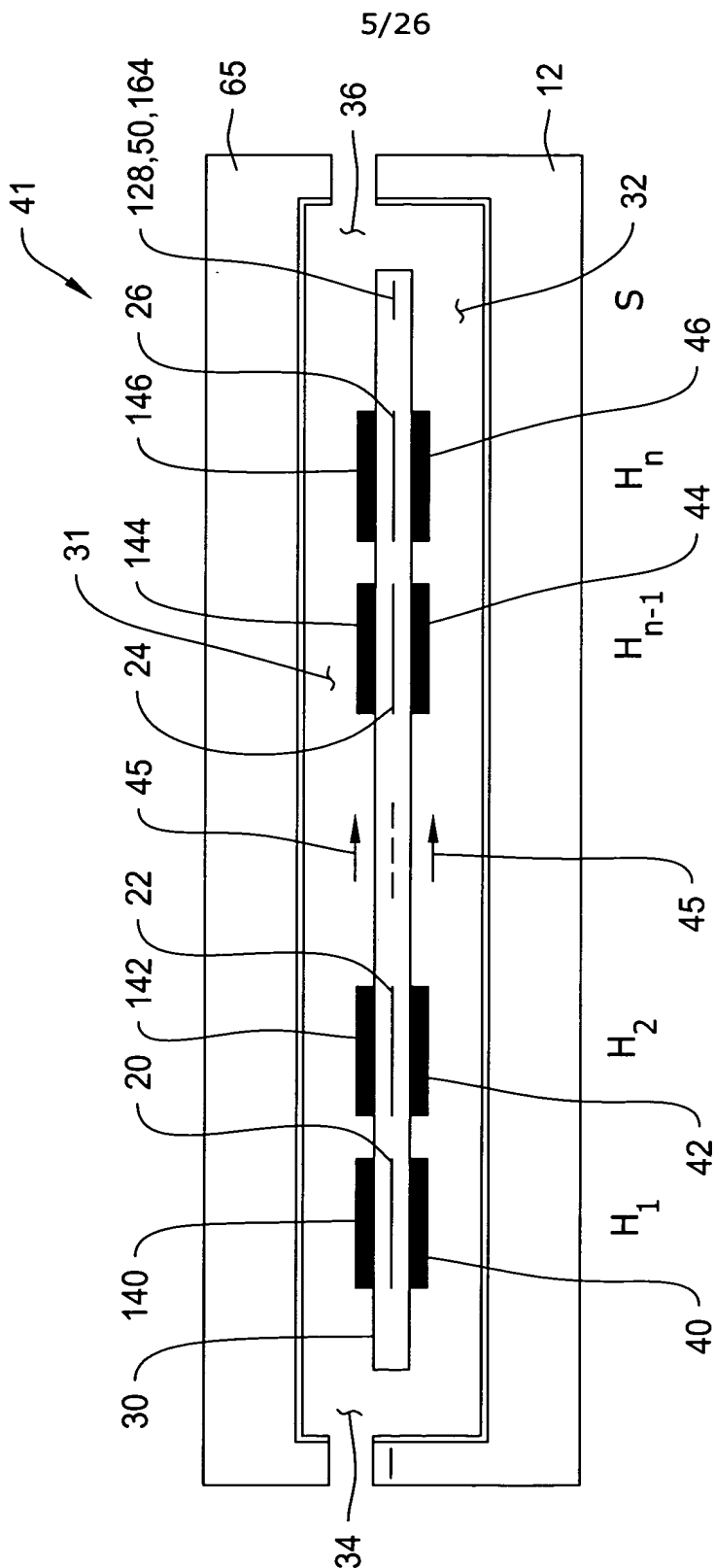


Figure 5 .

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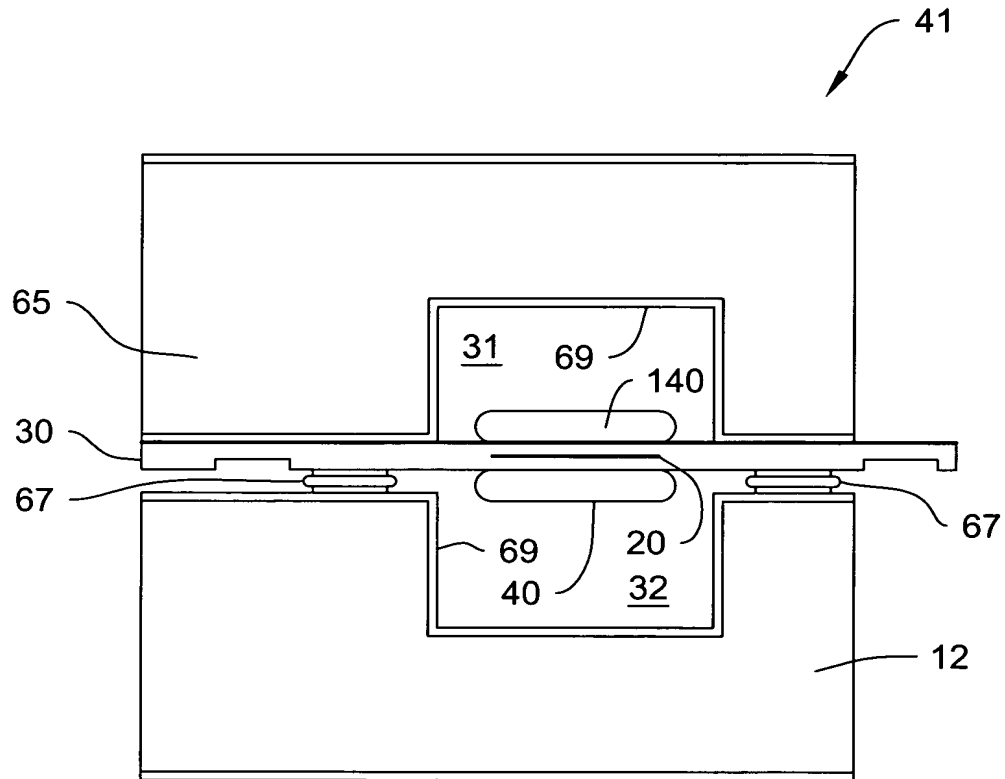


Figure 6A

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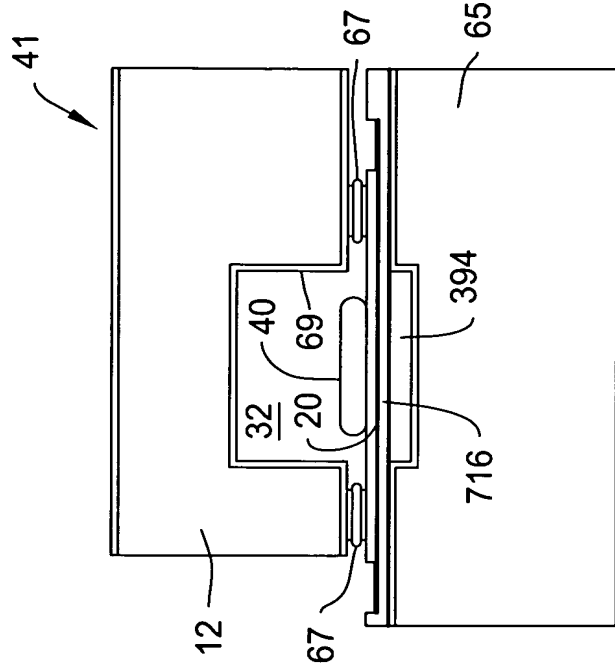


Figure 6C

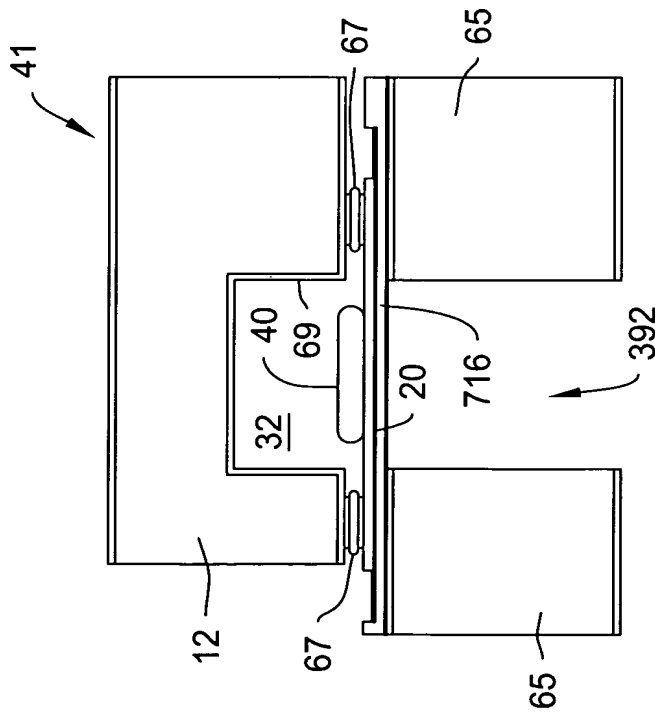


Figure 6B

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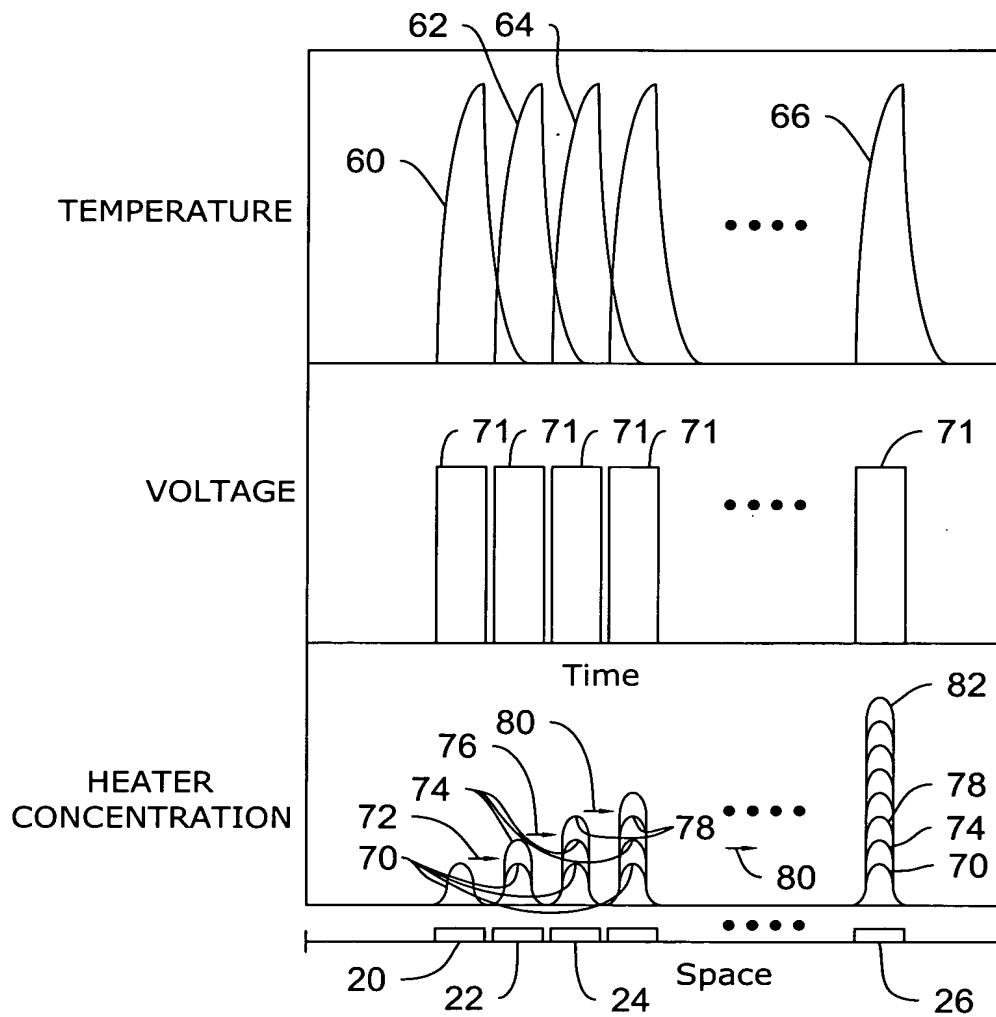


Figure 7

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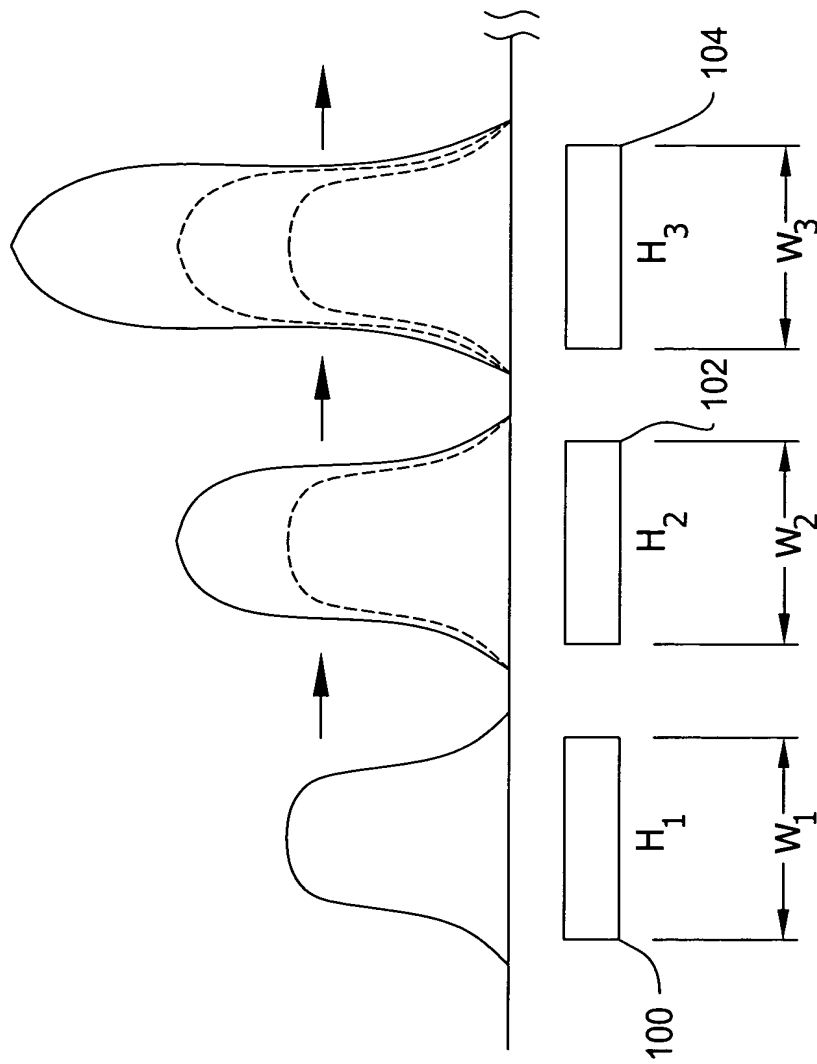


Figure 8

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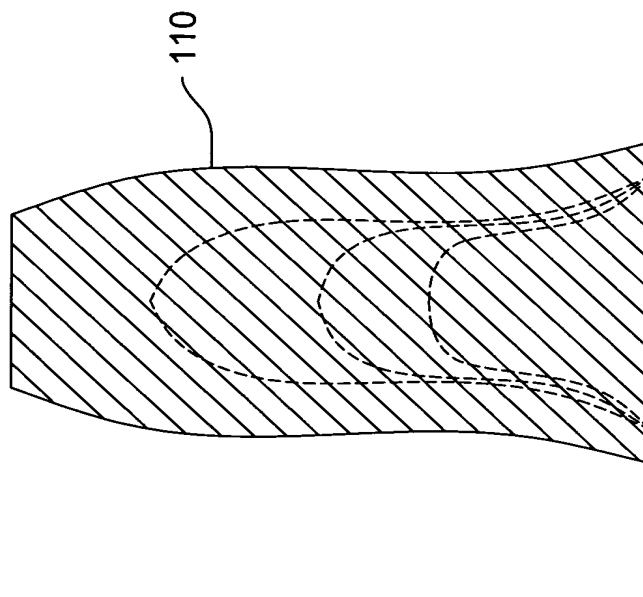


Figure 9

[illegible]

^a Reference 7 uses peak width at base instead of peak width at half height to determine M_{WD} , and the numbers have been adjusted accordingly for comparison. ^b Reference 8 uses 1σ instead of peak to peak (6σ) to measure cause for M_{WD} , and their numbers have been adjusted accordingly for comparison. ^c Versus hydrogen.

Figure 10

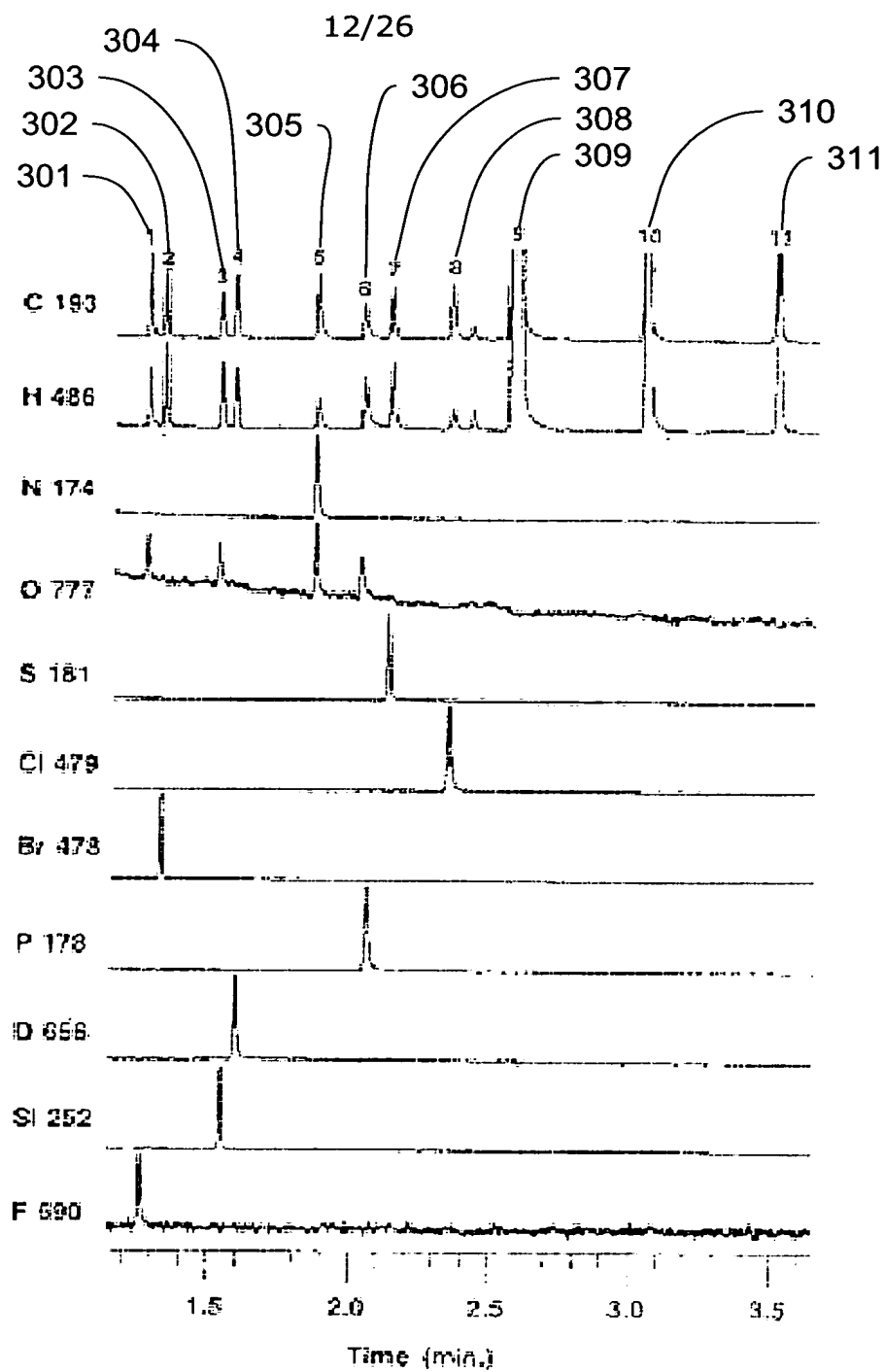


Figure 11

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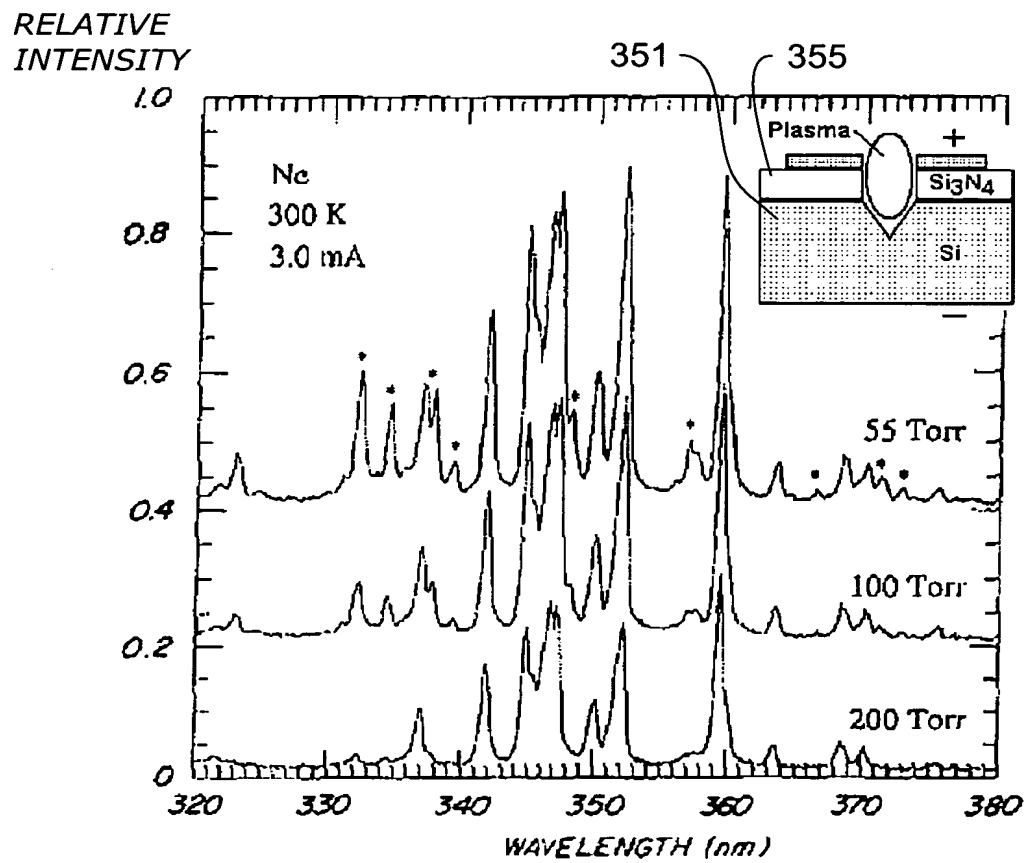


Figure 12

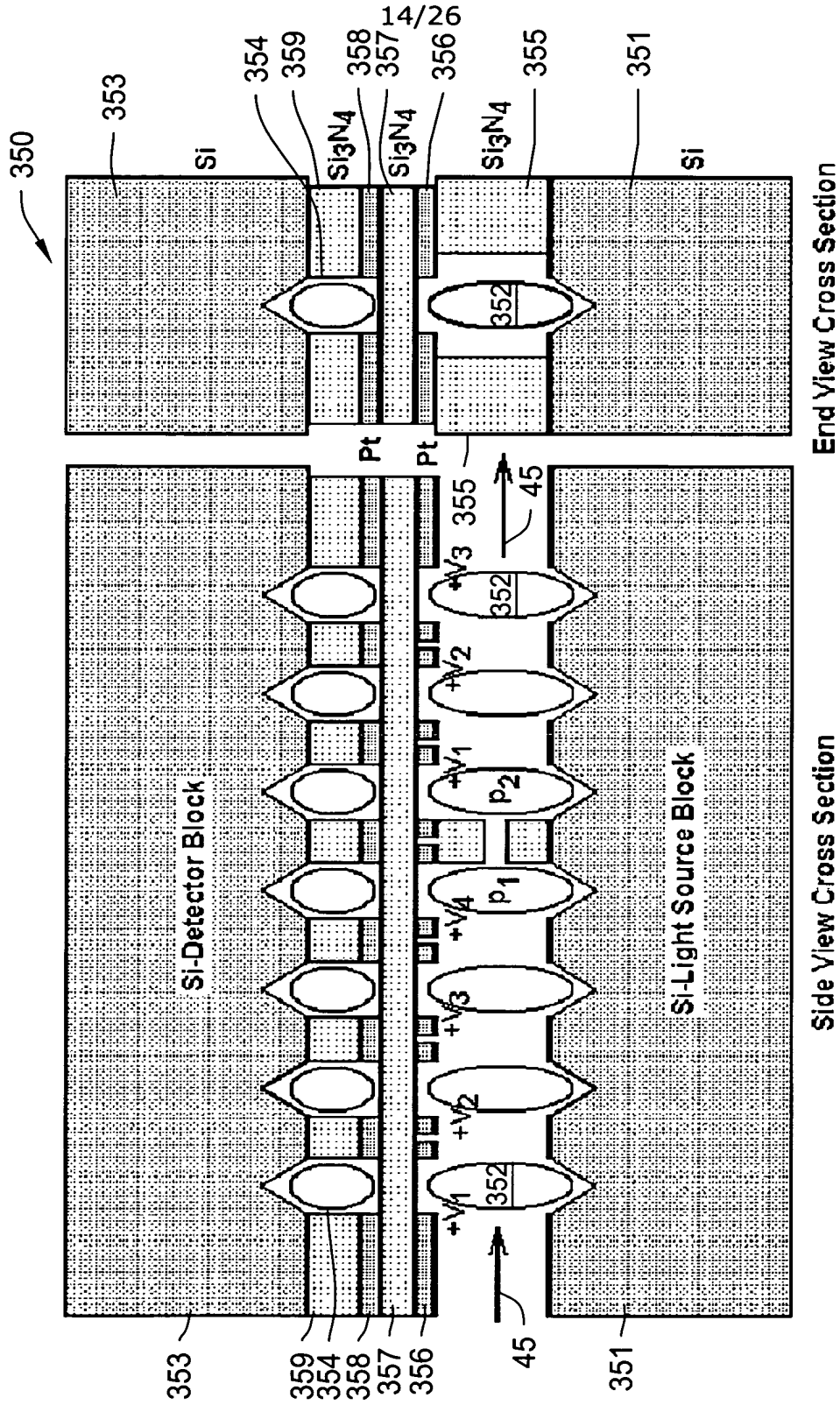


Figure 13

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Photosensitivity
in A/W

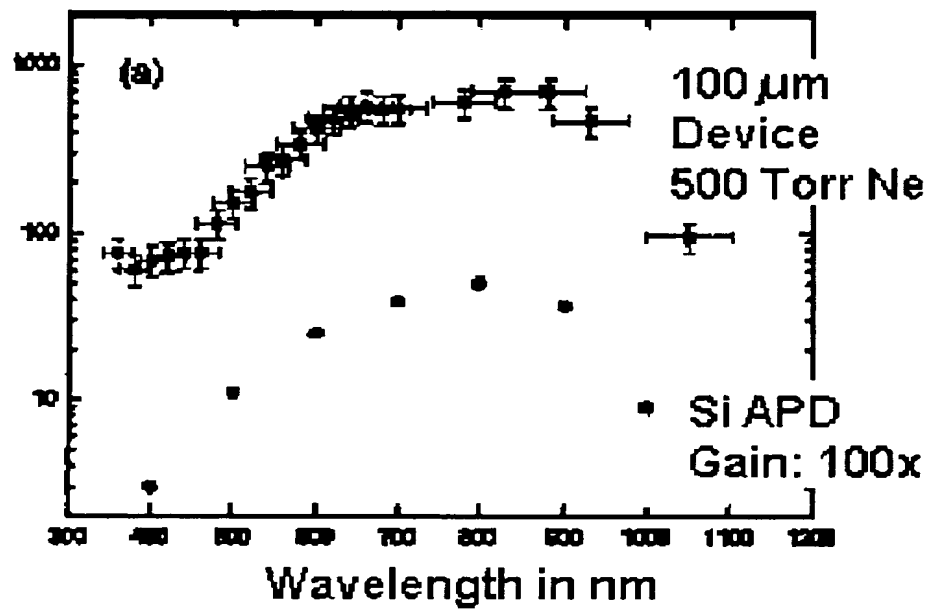
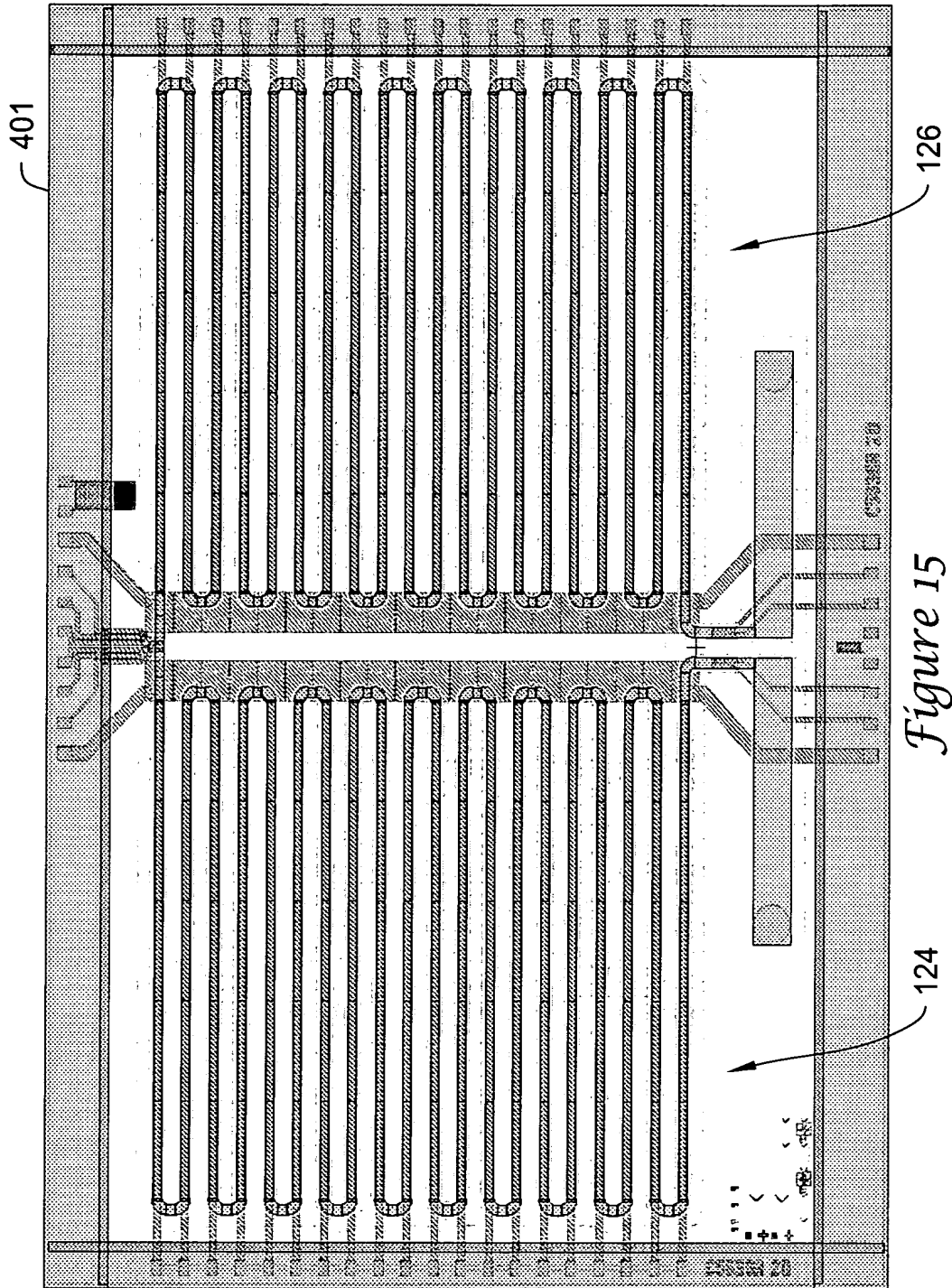


Figure 14

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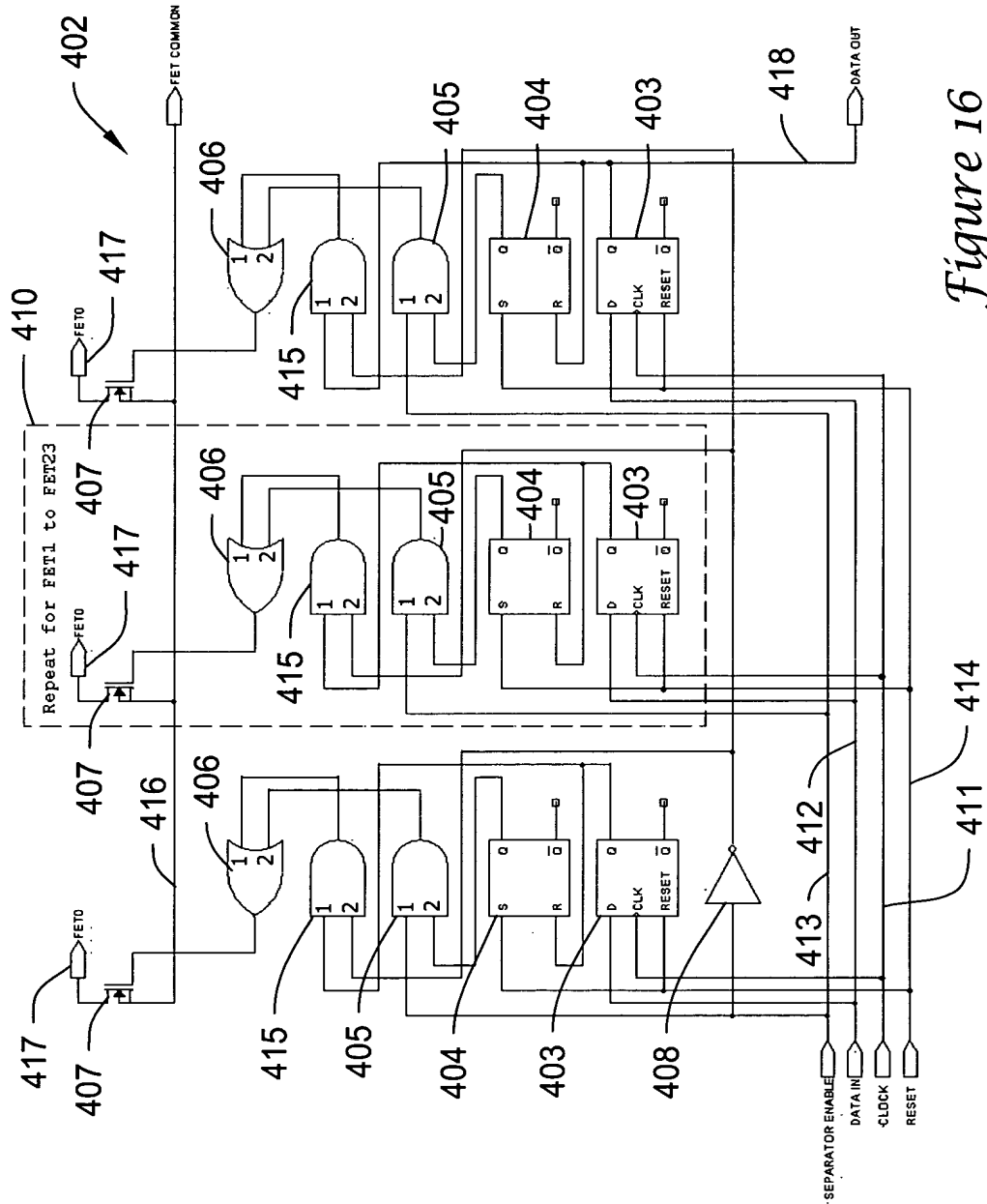


Figure 16

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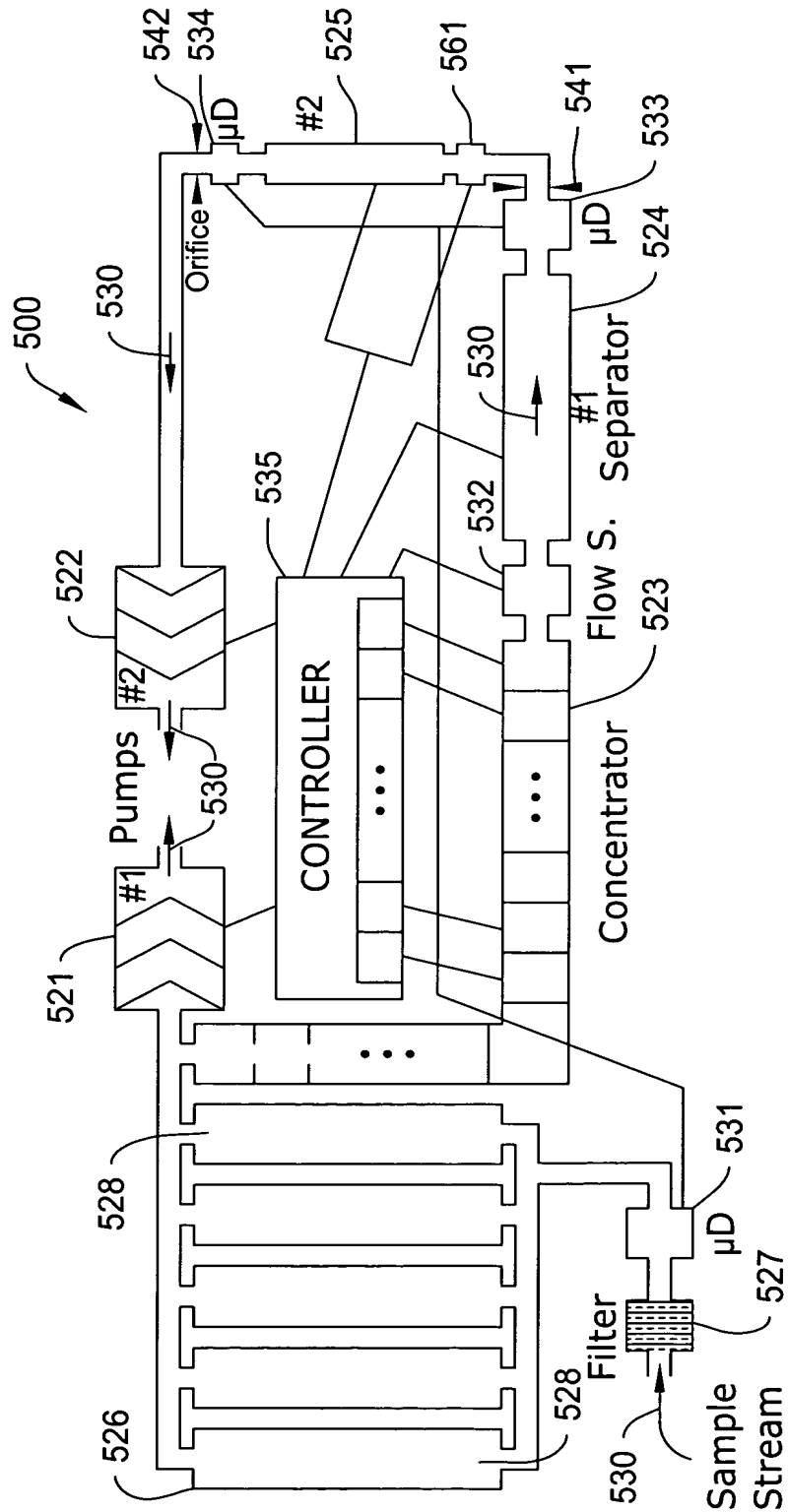


Figure 17

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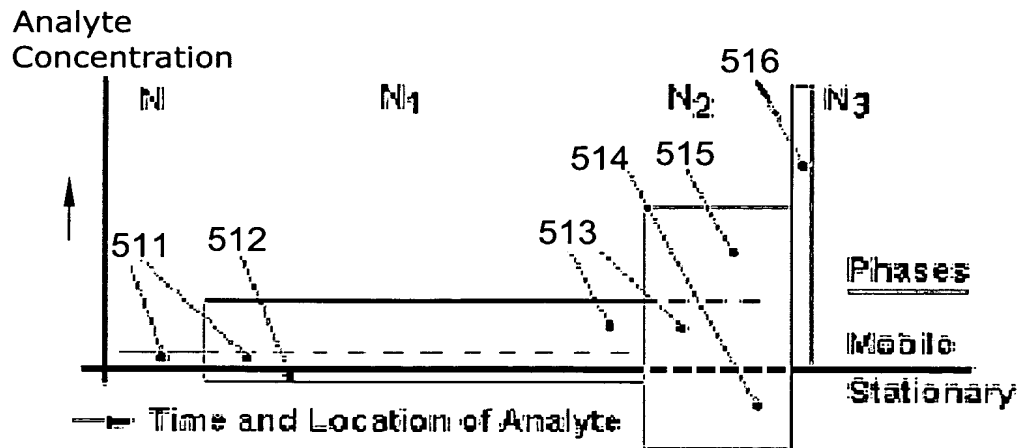


Figure 18

Analyte Masses = Film Length x Concentration				
	N_1 ppt	N_1 ppt	N_2 ppt	N_3 ppt
A	100×1	500×100	$5 \times 10,000$	$1 \times 50,000$
B	100×1	1000×100	$10 \times 10,000$	$1 \times 100,000$
C	100×1	$5,000 \times 100$	$50 \times 10,000$	$1 \times 500,000$
D	100×1	$10,000 \times 100$	$100 \times 10,000$	$1 \times 520,000$ (less)
E	100×1	$100,000 \times 100$	$1,000 \times 10,000$	$10 \times 1,000,000$ (10^7)

Figure 19

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Pres.Drop at 100 cm/s, 100x100 μm			
No. of Elem.	Length	Pres. Drop	Peak P.
N1	L	Δp	Q
-	cm	psi	watts
50	0.5	2.629	20.5
505	0.1	5.311	41.3
1010	0.1	10.621	82.6

Figure 20

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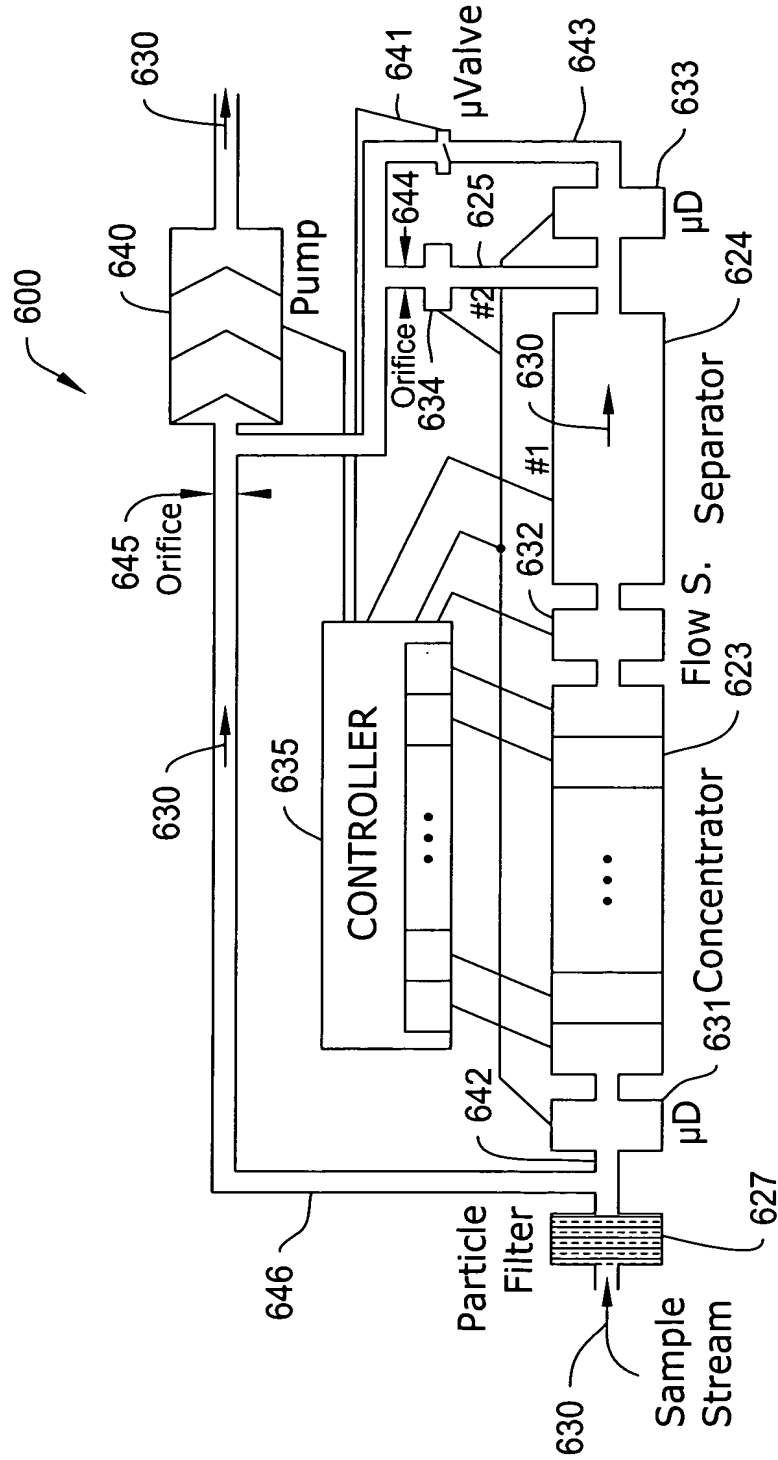


Figure 21

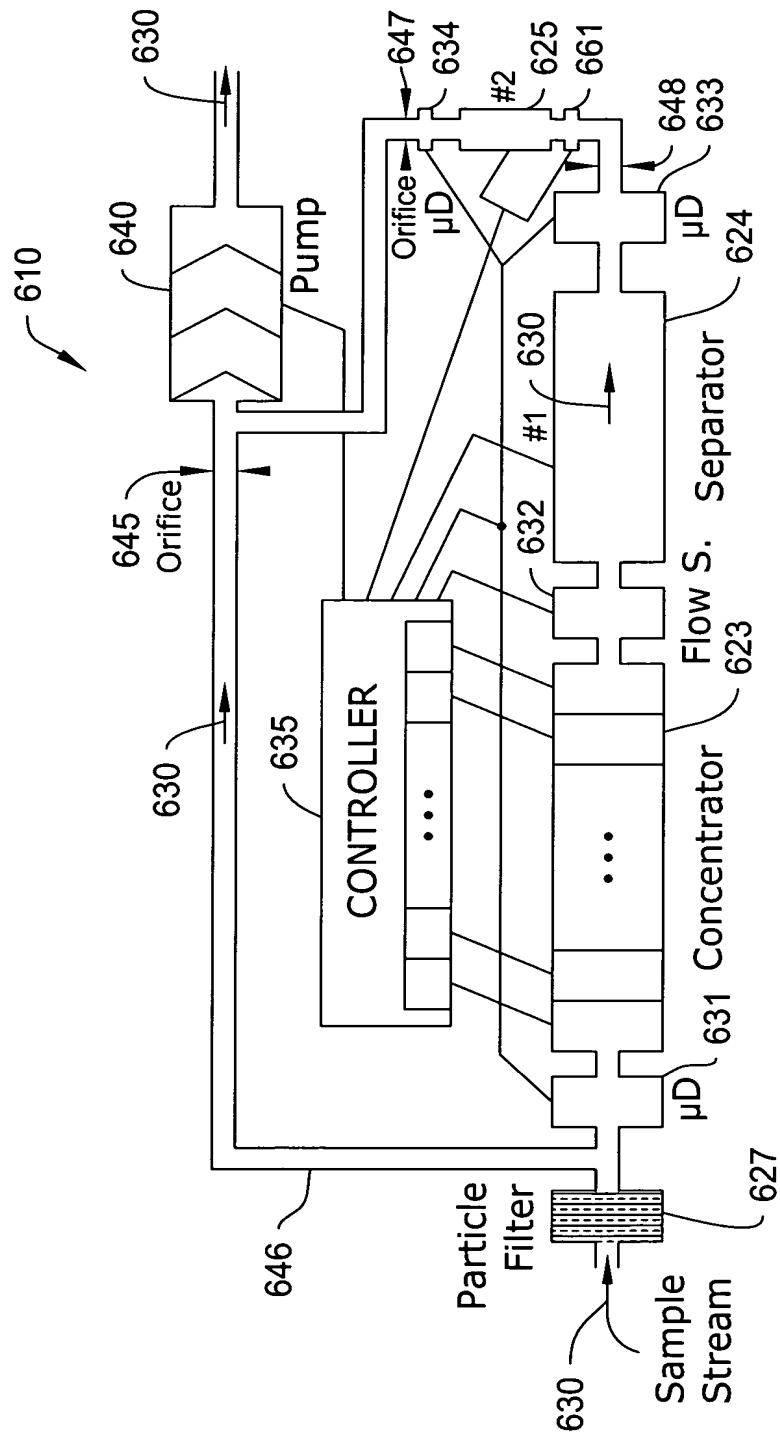


Figure 22

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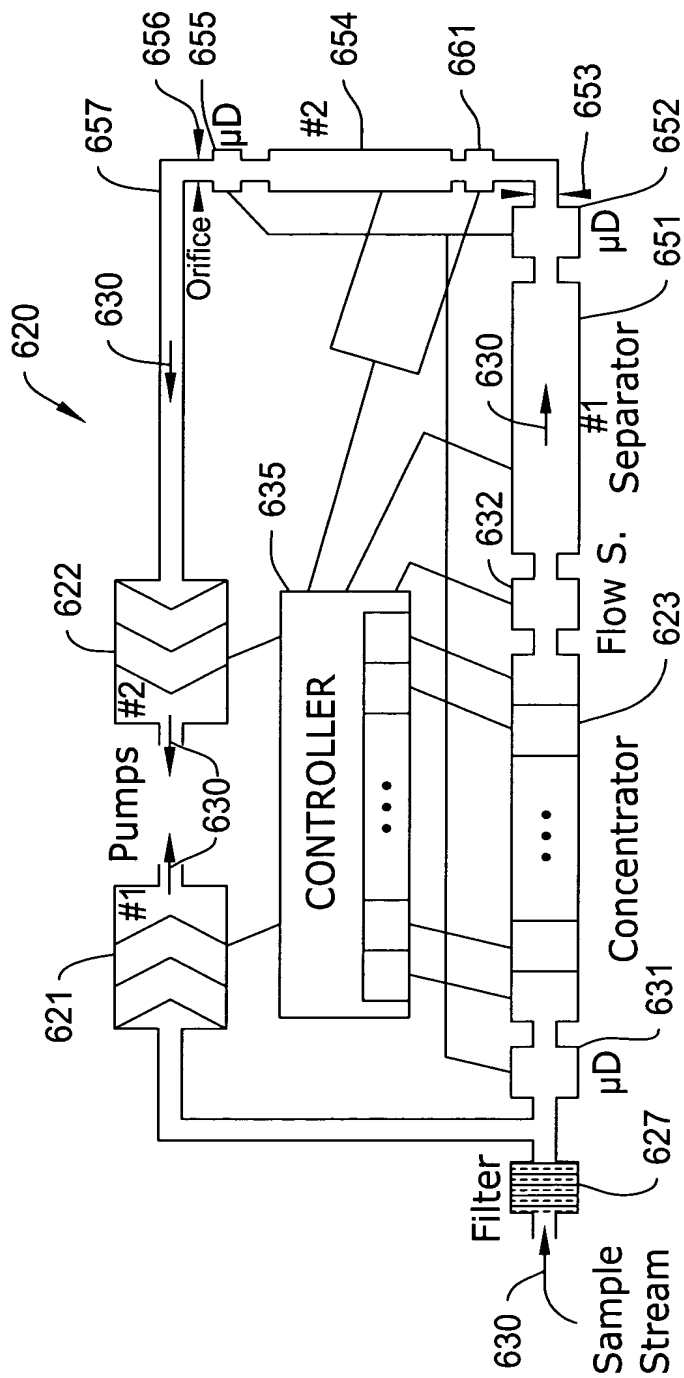


Figure 23

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Figure 24

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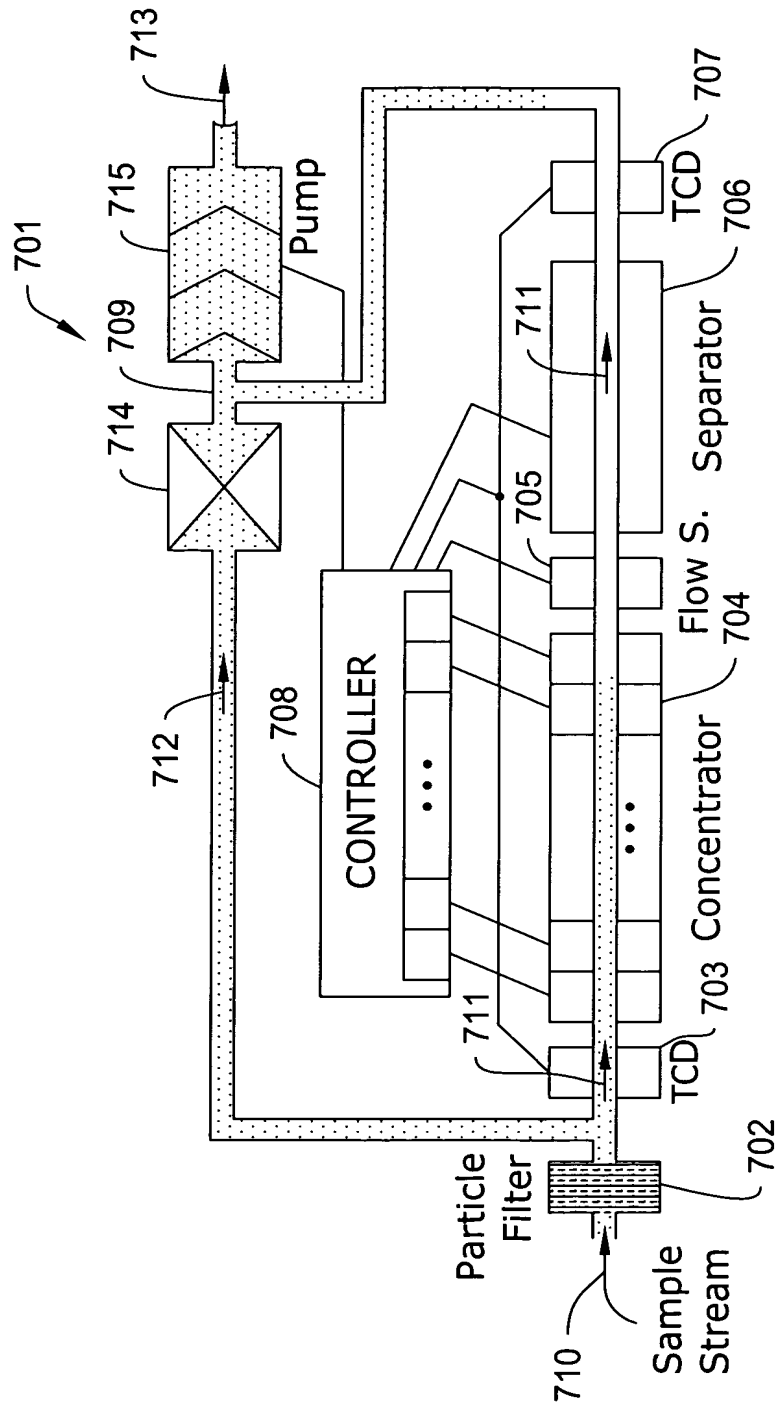


Figure 25

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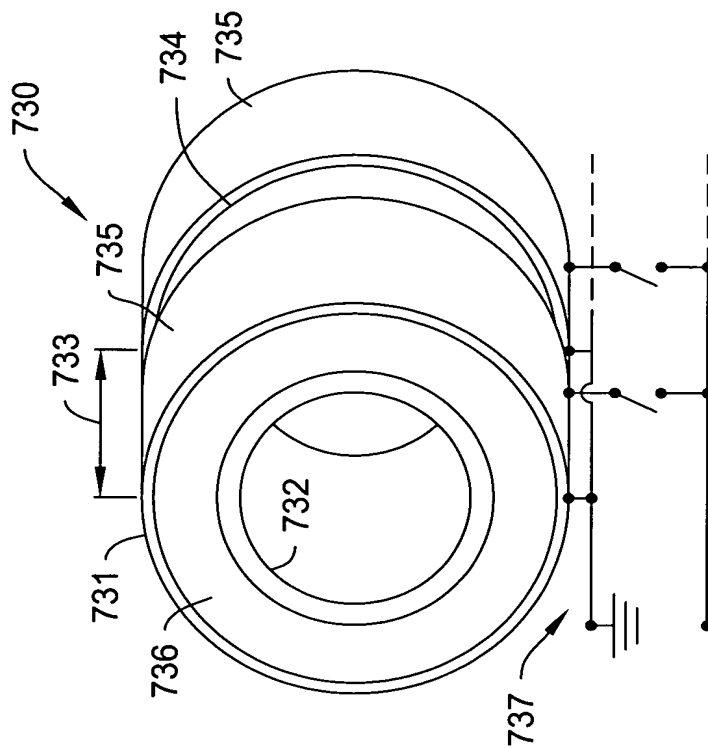


Figure 26B

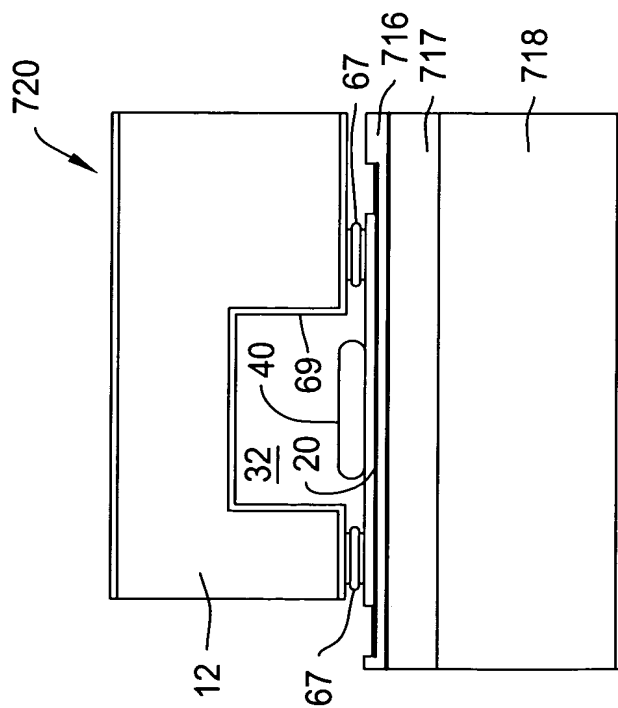


Figure 26A